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grid resource reservation list availability

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... /G: an architecture for a **resource** management and scheduling system in a global computational

grid- ► arxiv.org [PDF]

R Buyya, D Abramson, J Giddy - High Performance Computing in the Asia-Pacific Region, 2000. ..., 2000 -

ieeexplore.ieee.org

... user's deadline, and adapts the list of machines ... is rather complex and it needs **grid**

middleware services for **resource** reservation, broker services ...

Cited by 614 - Related articles - Web Search - All 37 versions

The anatomy of the **grid**: Enabling scalable virtual organizations- ► arxiv.org [PDF]

I Foster, C Kesselman, S Tuecke - International Journal of High Performance Computing ..., 2001 - hpc.sagepub.com

... new capability provided by these **Grid** services ... eg, whether they support advance

reservation), on one ... partial list provides a **resource**- specific characterization ...

Cited by 5281 - Related articles - Web Search - BL Direct - All 18 versions

The physiology of the **grid**: An open **grid** services architecture for distributed systems integration

I Foster, C Kesselman, J Nick, S Tuecke - Open Grid Service Infrastructure WG, Global Grid Forum, 2002 -

citeseerx.ist.psu.edu

... 947, RSVP: A new **resource** reservation protocol - ZHANG, DEERING, et al. - 1993.

430, Grid Information Services for Distributed **Resource** Sharing - Czajkowski. ...

Cited by 2541 - Related articles - Cached - Web Search - All 4 versions

[PDF] ► An economy driven **resource** management architecture for global computational power grids

R Buyya, D Abramson, J Giddy - The 2000 International Conference on Parallel and ..., 2000 - cs.mu.oz.au

... server and identifying the list of authorized ... user through **resource** broker or **grid**

enable application ... of Service (QoS) such as **resource** reservation and trading ...

Cited by 204 - Related articles - View as HTML - Web Search - All 19 versions

A taxonomy and survey of **grid** resource management systems for distributed computing-

► ktupm.edu.sa [PDF]

K Krauter, R Buyya, M Maheswaran - Software, Practice and Experience, 2002 - doi.wiley.com

... **Resource** reservation is one of the ways of providing guaranteed QoS in a **Grid** with

dedicated **resources**. Globus provides some **resource** reservation capabilities. ...

Cited by 430 - Related articles - Web Search - BL Direct - All 27 versions

[PDF] ► An evaluation of economy-based **resource** trading and scheduling on computational power grids for ...

R Buyya, J Giddy, D Abramson - KLUWER INTERNATIONAL SERIES IN ENGINEERING AND COMPUTER ..., 2000 -

gridbus.org

... Quality of Service (QoS) such as **resource** reservation for guaranteed availability

and trading for ... for managing economy of computations on the **Grid** are the ...

Cited by 116 - Related articles - View as HTML - Web Search - BL Direct - All 18 versions

[PDF] ► The data **grid**: Towards an architecture for the distributed management and analysis of large

... A Chervenak, I Foster, C Kesselman, C Salisbury, S ... - Journal of Network and Computer Applications, 2000 -

citeseerx.ist.psu.edu

... The **Grid**: Blueprint for a Future Computing Infrastructure. ... A distributed **resource**

management architecture that supports advance **reservations** and co ...

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[PDF] ► **The anatomy of the grid**

I Foster, C Kesselman, S Tuecke - International Journal of Supercomputer Applications, 2001 - cri.ensmp.fr
... application-specific coherency protocol, or a co-**reservation** service for ... which build on Globus Connectivity and **Resource** protocols, we ... The Anatomy of the Grid ...

[Cited by 456](#) - [Related articles](#) - [View as HTML](#) - [Web Search](#) - [All 238 versions](#)

Grid information services for distributed resource sharing- ► [udel.edu](#) [PDF]

K Czajkowski, S Fitzgerald, I Foster, C Kesselman - 10th IEEE International Symposium on High Performance ..., 2001 - [ieeexplore.ieee.org](#)

... VO-specific views of federated **resources**, ser- vices ... use by a broker might list the computers ... information about entities, while the GRid Registration Protocol ...

[Cited by 1176](#) - [Related articles](#) - [Web Search](#) - [All 64 versions](#)

A Java commodity grid kit- ► [cogkits.org](#) [PDF]

G Von Laszewski, I Foster, J Gawor, P Lane - Concurrency and Computation: Practice and Experience, 2001 - [doi.wiley.com](#)

... side applications requiring access to GSI-enabled **resources**. ... to transfer files in a Grid environment ... The Globus Architecture for **Reservation** and Allocation (GARA ...

[Cited by 320](#) - [Related articles](#) - [Web Search](#) - [BL Direct](#) - [All 36 versions](#)

Architctural models for resource management in the Grid- ► [psu.edu](#) [PDF]

R Buyya, S Chapin, D DiNucci - Lecture notes in computer science, 2000 - Springer

... server and identifying the list of authorized ... through a **resource** broker or grid enabled application ... of Service (QoS) such as **resource reservation** for guaranteed ...

[Cited by 94](#) - [Related articles](#) - [Web Search](#) - [BL Direct](#) - [All 24 versions](#)

[book] **Grid resource management: state of the art and future trends**

J Nabrzyski, JM Schopf, J Weglarz - 2003 - [books.google.com](#)

... OF MANUFACTURING SYSTEMS AND SUPPLY CHAINS * A list of the early publications in the series is at the end of the book * Page 7. **GRID RESOURCE MANAGEMENT** State ...

[Cited by 191](#) - [Related articles](#) - [Web Search](#) - [Library Search](#) - [All 3 versions](#)

A computational economy for grid computing and its implementation in the Nimrod-G resource broker- ► [arxiv.org](#) [PDF]

D Abramson, R Buyya, J Giddy - Future Generation Computer Systems, 2002 - Elsevier

... MDS in Globus), identifies the list of authorized ... essential ingredients for pushing **grid** into the ... plan to support scheduling with advance **resource reservation**. ...

[Cited by 225](#) - [Related articles](#) - [Web Search](#) - [All 22 versions](#)

[PDF] ► **Qos adaptation in service-oriented grids**

R Al-Ali, A Halid, O Rana, D Walker - .. Workshop on Middleware for Grid Computing (MGC2003) at ACM/ ..., 2003 - [wesc.ac.uk](#)

... The UDDI registry sends a list of match ... the QoS session is terminated – due to **resource reservation** expiration, SLA violation or a Grid service completion ...

[Cited by 50](#) - [Related articles](#) - [View as HTML](#) - [Web Search](#) - [BL Direct](#) - [All 12 versions](#)

Enabling applications on the grid: A gridlab overview- ► [cardiff.ac.uk](#) [PDF]

G Allen, T Goodale, T Radke, M Russell, E Seidel, ... - International Journal of High Performance Computing ..., 2003 - [hpc.sagepub.com](#)

... and not by the underly- ing Grid environment and ... API appearance and use, we will list several preliminary ... queries the envi- ronment for a **resource** matching a ...

[Cited by 139](#) - [Related articles](#) - [Web Search](#) - [BL Direct](#) - [All 32 versions](#)

Dynamic virtual clusters in a grid site manager- ► ktupm.edu.sa [PDF]

JS Chase, DE Irwin, LE Grit, JD Moore, SE Sprenkle - 12th IEEE International Symposium on High Performance ... 2003 - ieeexplore.ieee.org

... and other **resource** management features (eg, **reservations**) at the ... network, with local autonomy over **resource** management. In the **Grid**, local site man- agers pass ...

Cited by 124 - Related articles - Web Search - All 26 versions

... A toolkit for the modeling and simulation of distributed resource management and scheduling for grid ... ► arxiv.org [PDF]

R Buyya, M Murshed - Arxiv preprint cs/0203019, 2002 - arxiv.org

... **Reservation** SMPs Load Pattern ... (**Register Resource**) **Grid** Information Service Entity **Grid** Shutdown Entity (Get **Resource** List) (Get **Resource** Characteristics) ...

Cited by 413 - Related articles - View as HTML - Web Search - BL Direct - All 24 versions

... for negotiating service level agreements and coordinating resource management in distributed ...

► nesc.ac.uk [PDF]

K Czajkowski, I Foster, C Kesselman, V Sander, S ... - Lecture Notes in Computer Science, 2002 - Springer

... Another example is network QoS: a **reservation** regarding the ... motivating scenarios to applySLA models to **Grid** RM prob ... state model, which embed a **resource** and task ...

Cited by 241 - Related articles - Web Search - BL Direct - All 40 versions

Scheduling in HPC Resource Management Systems: Queuing vs. Planning- ► fz-juelich.de [PDF]

M Hovestadt, O Kao, A Keller, A Streit - Lecture Notes in Computer Science, 2003 - Springer

... information is described by means of the **Resource** and Service ... be accepted: Does it match Admin-**Reservations**, project limits ... a 4 x 3 x 2 **grid**) verifying becomes ...

Cited by 71 - Related articles - Web Search - BL Direct - All 14 versions

Quality of service on the grid via metascheduling with resource co-scheduling and co-reservation

G Mateescu - International Journal of High Performance Computing ... 2003 - hpc.sagepub.com

... The **Grid Resource** Information Service component of MDS is queried to find dynamic information such as the ... 3.2 **RESOURCE** SELECTION A co-reservation for a ...

Cited by 22 - Related articles - Web Search - BL Direct - All 4 versions

Resource co-allocation in computational grids- ► psu.edu [PDF]

K Czajkowski, I Foster, C Kesselman - High Performance Distributed Computing, 1999. Proceedings. ..., 1999 - ieeexplore.ieee.org

... We argue that in a **Grid** environment, it ... is to enhance the local **resource** management system ... For example, by incorporating advance **reservation** capabilities into a ...

Cited by 205 - Related articles - Web Search - All 31 versions

[PDF] ► Grids as production computing environments: The engineering aspects of NASA's Information Power Grid

WE Johnston, D Gannon, B Nitzberg - Presented at the Eighth IEEE International Symposium on High ..., 1999 - citeseerx.ist.psu.edu

... **Resource** Management for Co-Scheduling and **Reservation** One of the most challenging and well known **grid** problems is that of scheduling scarce ...

Cited by 183 - Related articles - View as HTML - Web Search - All 19 versions

Architecture requirements for commercializing grid resources- ► ufl.edu [PDF]

C Kenyon, G Cheliotis - 11th IEEE International Symposium on High Performance ..., 2002 - ieeexplore.ieee.org

... **Reservation** prices now (currently) for use later are ¼ ... the uncertainty about price and availability faced by ... in efforts to commercialize **Grid resource** trading ...

Cited by 26 - Related articles - Web Search - All 12 versions

Economic-based distributed resource management and scheduling for grid computing- ►arxiv.org

[PDF]

R Buyya - Arxiv preprint cs/0204048, 2002 - arxiv.org

... and geographically distributed with varying **availability** and a ... in the text, and a list of references ... of an economic-based model to **Grid resource management** and ...

Cited by 352 - Related articles - View as HTML - Web Search - Library Search - All 21 versions

[PDF] ► G-QoS: Grid service discovery using QoS properties

RJ Al-Ali, OF Rana, DW Walker, S Jha, S Sohail - Computing and Informatics, 2002 - citeseerx.ist.psu.edu

... The result is a list of services with ... 5 the AQoS confirms the **reservation** for previously involve close interaction with the **Grid Resource Allocation Agreement** ...

Cited by 102 - Related articles - View as HTML - Web Search - BL Direct - All 7 versions

Scheduling co-reservations with priorities in grid computing systems- ►psu.edu [PDF]

R Min, M Maheswaran - ... International Symposium on Cluster Computing and the Grid, ..., 2002 - IEEE Explore.IEEE.ORG

... **Advance resource reservations** and **co-reservations** in the context of **Grid computing** have been the focus of few studies [1, 2]. Algorithms for supporting ...

Cited by 37 - Related articles - Web Search - Library Search - All 12 versions

[PDF] ► Economic models for resource management and scheduling in grid computing

R Buyya, D Abramson, J Giddy, H Stockinger - Concurrency and computation: practice and experience, 2002 - 130.149.25.10

... in a competitive and reasonable manner and **resource** quality of services can be guaranteed through **reservation** during the ... **Resource Broker** ... (**Grid Service Provider** ...

Cited by 372 - Related articles - View as HTML - Web Search - BL Direct - All 34 versions

[PDF] ► Grid resource management, scheduling, and computational economy

R Buyya, D Abramson, J Giddy - International Workshop on Global and Cluster Computing, ..., 2000 - citeseerx.ist.psu.edu

... **resources** are shared and their **availability** and load ... are based on advance **resource reservation**, and a ... auction mechanisms for the **grid resource management** and ...

Cited by 18 - Related articles - View as HTML - Web Search - All 14 versions

A distributed resource management architecture that supports advance reservations and co-allocation- ►udel.edu [PDF]

I Foster, C Kesselman, C Lee, B Lindell, K ... - Quality of Service, 1999. IWQoS'99. 1999 Seventh ..., 1999 - IEEE Explore.IEEE.ORG

... **ware, availability**, and network connectivity; local **resource** managers ... Darwin does not support advance **reservations**. ... do not extend easily to other **resource** types ...

Cited by 507 - Related articles - Web Search - All 58 versions

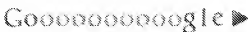
A resource management architecture for metacomputing systems- ►globus.org [PDF]

K Czajkowski, I Foster, N Karonis, C Kesselman, S ... - Lecture Notes in Computer Science, 1998 - Springer

... on GUSTO, a large computational **grid** testbed comprising ... system exists on a particular**resource**, a simple ... eg, whether the scheduler supports **reservation** and the ...

Cited by 834 - Related articles - Web Search - BL Direct - All 47 versions

Key authors: I Foster - C Kesselman - S Tuecke - R Buyya - J Nick



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